SK20 OVERALL CIRCUIT DIAGRAM 006884

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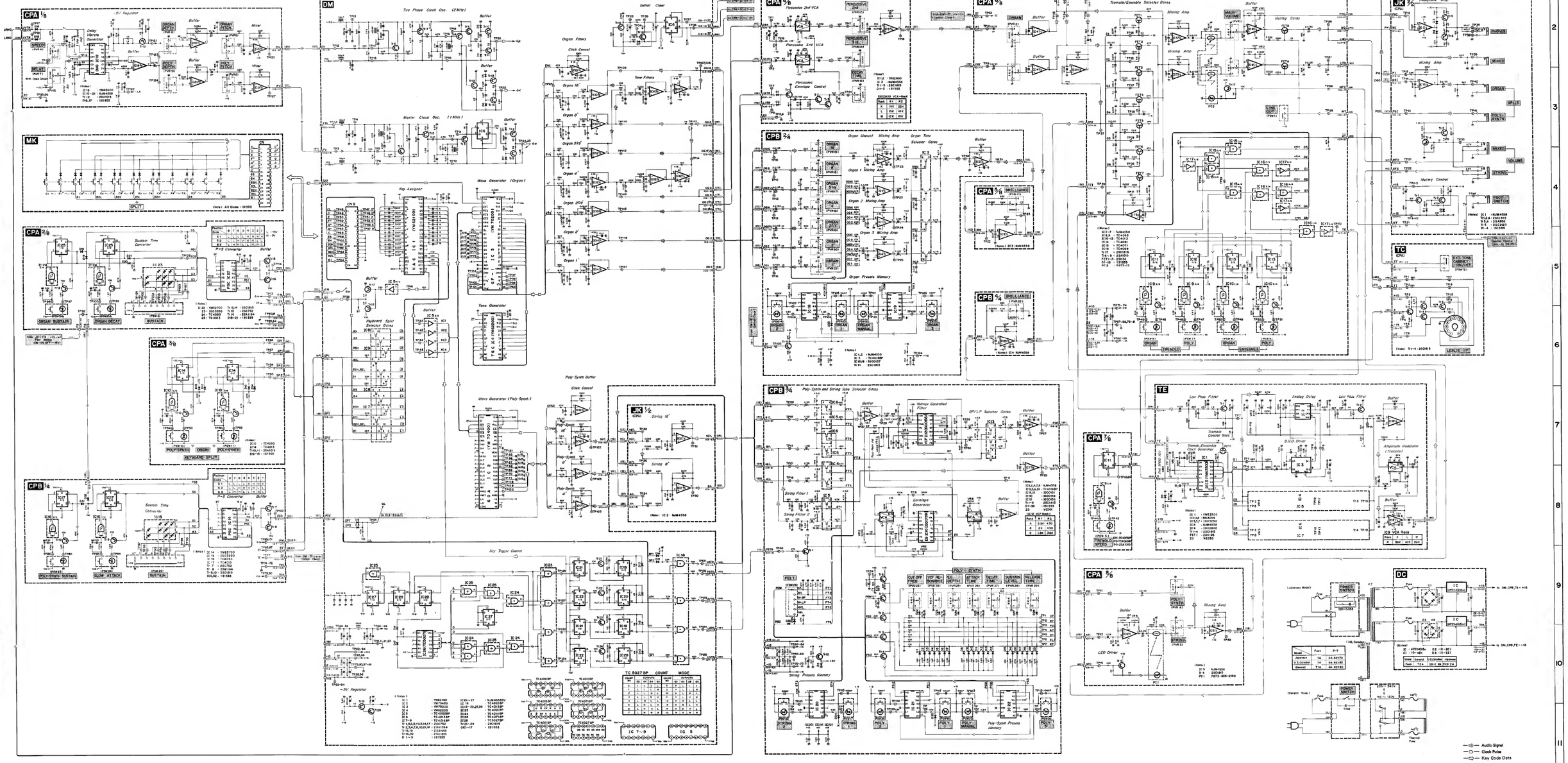

DM

C1

Pin No.	Pin Name	Wire Color	Destination
1	+15	BR	DC+15 (CS 3)
2	+15	BR	DC+15 (CS 1,2)
3	+15	BR	DM+15 (CG 1)
4	5V	W-BR	CPA-5V (CS 6)
5			
6	GS4	V-BR	CPB-GS4 (CT 4)
7	GS3	V	CPB-GS3 (CT 3)
8	GS2	V-R	CPB-GS2 (CT 2)
9	GS1	V-Y	CPB-GS1 (CT 1)
10	GS0	O-GY	CPB-GS0 (CT 0)

C2

Pin No.	Pin Name	Wire Color	Destination
1	F	V-Y	
2	GS4	V-Y	CPA-GS4 (C 0-3)
3	E	V-Y	
4	GS3	V-Y	CPB-GS3 (CT 4)
5	E	O-BR	
6	GS0	O-BR	CPA-GS0 (CT 7)
7	E	BK-Y	
8	GS0-1	BK	CPB-GS0,1 (CT 3)
9	E	O-GY	
10	GS0,2	O-GY	CPB-GS0,2 (CT 1)

C3

Pin No.	Pin Name	Wire Color	Destination
1	K	BL	CPA-K (C 0-3)
2	E	P-BK	
3	GS0-3	P-BK	CPB-GS0-3 (C 4)
4	E	P-GY	
5	GS0-4	P-GY	CPB-GS0-4 (C 0)
6	E	P-Y	
7	GS0-5	P-Y	CPB-GS0-5 (C 1)
8	E	P-R	
9	GS0-6	P-R	CPB-GS0-6 (C 2)
10	E	P-BR	

C4

Pin No.	Pin Name	Wire Color	Destination
1	GS	BL	CPA-GS (C 0-4)
2	PVO	Y-G	CPA-PVO (C 0-7)
3	PVS	Y-R	CPA-PVS (C 0-7)
4			
5			
6			
7			
8			
9			
10			

C5

Pin No.	Pin Name	Wire Color	Destination
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

C6

Pin No.	Pin Name	Wire Color	Destination
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

C7

Pin No.	Pin Name	Wire Color	Destination
1	LATR	RS	CPA-LATR (C10 E)
2	LVTR	O-R	CPA-LVTR (C9 B)
3	PDTR	Y-R	CPA-PDTR (C9 D)
4	LATR	GR	CPA-LATR (C10 H)
5	LVTR	GR	CPA-LVTR (C9 F)

C8

Pin No.	Pin Name	Wire Color	Destination
1	EPD	Y-G	CPA-EPD (C11 H)
2	EP1	BR	CPA-EP1 (C11 J)
3	EP2	BR	CPA-EP2 (C11 D)
4	EPD	GR	CPA-EPD (C11 E)
5	EC	W-Y	CPA-EC (C11 B)
6	EC	W-Y	CPB-EC (C2 C-10)
7	EC	W-Y	CPB-EC (C2 B)

C9

Pin No.	Pin Name	Wire Color	Destination
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

C10

Pin No.	Pin Name	Wire Color	Destination
1	Vcc		
2	Vss	W-BR	CPB-0V (C4 E)
3			
4	5V	O-Y	CPB-5V (C4 E)

C11

Pin No.	Pin Name	Wire Color	Destination
1	+15	BR	DC+15 (C5 B)
2	+15	BR	DM+15 (C12 A)
3	E	BL	DC-E (C5 D)
4	E	BL	DM-E (C4 I)
5	+15	YE	DM+15 (C5 G)
6	-15	YE	DC-15 (C5 E)
7	-15	YE	DM-15 (C12 B)
8	E	BL	DC-E (C5 C)
9	0V	W-BR	DM-0V (C12 C)
10	SCTR	GR	DM-LVTR (C7 D)

C12

Pin No.	Pin Name	Wire Color	Destination
1	+15	BR	DM+15 (C11 A)
2	+15	BR	DM+15 (C11 G)
3	+15	BR	DM+15 (C11 E)
4	E	BL	DM-E (C11 C)
5	KT	GR	DM-KT (C11 F)
6	E	BR	DM-E (C11 I)
7	LTO	RY	DM-LTO (C11 J)
8	LVO	PK	DM-LVO (C11 H)

CPA

C1

Pin No.	Pin Name	Wire Color	Destination
1	DCR	S-GY	DM-DCR (C8 B)
2	DCG	S-GR	DM-DCG (C8 D)
3	DCB	S-PK	DM-DCB (C8 F)
4	PVO	V-Y	DM-PVO (C7 B)
5	PVS	V-R	DM-PVS (C7 D)
6	EPD	S-BR	CPB-EPD (C8 A)
7	GS	S-BR	CPB-GS (C8 C)
8	EP1	S-BR	CPB-EP1 (C8 E)
9	EP2	S-BR	CPB-EP2 (C8 G)
10			

C2

Pin No.	Pin Name	Wire Color	Destination
1	+15	BR	DM+15 (C12 D)
2	+15	BR	DM+15 (C12 H)
3	E	BL	DC-E (C5 I)
4	E	BL	DM-E (C4 I)
5	+15	YE	DM+15 (C5 H)
6	-15	YE	DC-15 (C5 F)
7	LK	BL	DC-E (C5 B)

C3

Pin No.	Pin Name	Wire Color	Destination
1	LE	BL	TE-LE (C6 B)
2	+15	YE	TE-+15 (C1 J)
3	+15	BR	TE-+15 (C1 E)
4	E	BL	TE-E (C1 B)
5	KT	GR	TE-KT (C1 A)
6	E	BR	TE-E (C1 I)
7	LTO	RY	TE-LTO (C1 G)
8	LVO	PK	TE-LVO (C1 J)

C4

Pin No.	Pin Name	Wire Color	Destination
1	MO	PK	JK-MO (C3 A)
2	GS	S-BR	JK-GS (C3 B)
3	VI	V-R	JK-VI (C3 C)
4			
5			
6			
7			
8			
9			
10			

C5

Pin No.	Pin Name	Wire Color	Destination
1			
2	FV	S-GY	DM-FV (C9 F)
3	EC	W-BR	
4			
5	0V	W-BR	DM-0V (C9 E)
6	SCTR	GR	DM-LVTR (C7 E)
7	LVTR	GR	DM-LVTR (C7 D)
8			
9			
10			

C6

Pin No.	Pin Name	Wire Color	Destination
1	MTC	S-R	JK-MTC (C2 B)
2	MP	GR	JK-MP (C2 A)
3	EPD	PB	JK-EPD (C2 F)
4	FS	Y-G	JK-FS (C2 H)
5	E	SL	JK-E (C3 J)
6	+15	BR	JK-+15 (C3 D)
7	+15	W	JK-+15 (C3 H)
8			
9			
10			

C7

Pin No.	Pin Name	Wire Color	Destination
1	FB	S-GR	CPB-FB (C2 D)
2	Vss	Y-G	DM-VSS (C11 D)
3	Vcc	Y-R	DM-VCC (C11 A)
4	LATR	BR	DM-LATR (C7 A)
5	LATR	RS	DM-LATR (C7 C)
6			
7	ST	R-Y	CPA-ST (C8 B)
8	Vss	S-BR	
9			
10			

C8

Pin No.	Pin Name	Wire Color	Destination
1	GND	S-BR	DM-GND (C9 D)
2	Vss	S-BR	
3	GND	S-BR	CPA-GND (C6 B)
4			
5	ST	Y-PK	DM-ST (C9 C)
6			
7	ST	R-Y	CPA-ST (C8 B)
8	Vss	S-BR	
9			
10			

C9

Pin No.	Pin Name	Wire Color	Destination
1	EC	-	-
2	EC	-	-
3	EC	-	-
4	GC	S-GR	
5	EPD	S-GR	CPA-GND (C6 A)
6	E	S-BR	
7	E	S-BR	DC-E (C6 D)
8	SVS	S-Y	CPA-SVS (C6 B)
9			
10			

C10

Pin No.	Pin Name	Wire Color	Destination
1	OSC1	S-PK	DM-OSC1 (C 5-6)
2			
3			
4			
5	LATR	RS	DM-LATR (C7 E)
6			
7			
8			
9			
10			

C11

Pin No.	Pin Name	Wire Color	Destination
1			
2			
3	EP1	BR	DM-EP1 (C8 D)
4	EP2	GR	DM-EP2 (C8 F)
5	EPD	Y-G	DM-EPD (C8 H)
6			
7			
8			
9			
10			

CPB

C1

Pin No.	Pin Name	Wire Color	Destination
1	OSC1	S-GY	DM-OSC1 (C5 I-9)
2	OSC2	S-PK	DM-OSC2 (C5 I-8)
3	OSC3	S-BL	DM-OSC3 (C5 I-7)
4	OSC4	S-GR	DM-OSC4 (C5 I-6)
5	OSC5	S-PK	DM-OSC5 (C5 I-5)
6	OSC6	S-BR	DM-OSC6 (C5 I-4)
7	OSC7	S-R	DM-OSC7 (C5 I-3)
8	+15	YE	CPA-+15 (C6 F)
9			
10	0V	W-BR	DM-0V (C6 E)

C2

Pin No.	Pin Name	Wire Color	Destination
1	E	S-YE	
2	OSC1	S-GY	CPA-SPE (C6 B)
3	Vss	YE	DC-Vss (C5 A)
4	Vss	YE	DM-Vss (C5 I-2)
5	Vss	YE	DC-+15V (C5 A)
6	Vss	YE	DM-+15V (C5 I-1)
7	FDC	S-PK	DM-FDS (C6 H)
8	E	S-BR	
9	FDS	S-BR	CPA-FS (C6 I)
10	SC	W-BR	DM-SC (C6 G)

C3

Pin No.	Pin Name	Wire Color	Destination
1	E	S-BL	DC-E (C6 I)
2	FSD	S-BR	CPA-FSD (C6 F)
3	VSTR	Y-G	DM-VSTR (C7 B)
4	SFO	S-GR	CPA-STT (C7 G)
5	KT	S-YE	JK-KT (C4 F)
6	4.5	S-BR	JK-4.5 (C4 J)
7	9.5	S-GR	JK-9.5 (C4 H)
8	14.7	S-YE	JK-14.7 (C4 E)
9	4.5	S-BR	JK-4.5 (C4 D)
10	9.5	S-GR	JK-9.5 (C4 C)
11	14.7	S-YE	JK-14.7 (C4 B)
12	8.7k	-	-

C4

Pin No.	Pin Name	Wire Color	Destination
1	GND	S-BR	DM-GND (C9 D)
2	Vss	S-BR	
3	GND	S-BR	CPA-GND (C6 B)
4			
5	ST	Y-PK	DM-ST (C9 C)
6			
7	ST	R-Y	CPA-ST (C8 B)
8	Vss	S-BR	
9			
10			

C5

Pin No.	Pin Name	Wire Color	Destination
1			
2	FV	S-GY	DM-FV (C9 F)
3	EC	W-BR	
4			
5	0V	W-BR	DM-0V (C9 E)
6	SCTR	GR	DM-LVTR (C7 E)
7	LVTR	GR	DM-LVTR (C7 D)
8			
9			
10			

C6

Pin No.	Pin Name	Wire Color	Destination
1	MTC	S-R	JK-MTC (C2 B)
2	MP	GR	JK-MP (C2 A)
3	EPD	PB	JK-EPD (C2 F)
4	FS	Y-G	JK-FS (C2 H)
5	E	SL	JK-E (C3 J)
6	+15	BR	JK-+15 (C3 D)
7	+15	W	JK-+15 (C3 H)
8			
9			
10			

C7

Pin No.	Pin Name	Wire Color	Destination
1	FB	S-GR	CPB-FB (C2 D)
2	Vss	Y-G	DM-VSS (C11 D)
3	Vcc	Y-R	DM-VCC (C11 A)
4	LATR	BR	DM-LATR (C7 A)
5	LATR	RS	DM-LATR (C7 C)
6			
7	ST	R-Y	CPA-ST (C8 B)
8	Vss	S-BR	
9			
10			

C8

Pin No.	Pin Name	Wire Color	Destination
1	GND	S-BR	DM-GND (C9 D)
2	Vss	S-BR	
3	GND	S-BR	CPA-GND (C6 B)
4			
5	ST	Y-PK	DM-ST (C9 C)
6			
7	ST	R-Y	CPA-ST (C8 B)
8	Vss	S-BR	
9			
10			

C9

Pin No.	Pin Name	Wire Color	Destination
1	EC	-	-
2	EC	-	-
3	EC	-	-
4	GC	S-GR	
5	EPD	S-GR	CPA-GND (C6 A)
6	E	S-BR	
7	E	S-BR	DC-E (C6 D)
8	SVS	S-Y	CPA-SVS (C6 B)
9			
10			

C10

Pin No.	Pin Name	Wire Color	Destination
1	OSC1	S-PK	DM-OSC1 (C 5-6)
2			
3			
4			
5	LATR	RS	DM-LATR (C7 E)
6			
7			
8			
9			
10			

C11

Pin No.	Pin Name	Wire Color	Destination
1			
2			
3	EP1	BR	DM-EP1 (C8 D)
4	EP2	GR	DM-EP2 (C8 F)
5	EPD	Y-G	DM-EPD (C8 H)
6			
7			
8			
9			
10			

TE

C1

Pin No.	Pin Name	Wire Color	Destination
1	+15	BR	DC+15 (C5 A)
2	+15	BR	DC+15 (C5 B)
3	+15	-	-
4	-	-	-
5	-15	YE	DC-15 (C5 A)
6	-15	YE	DC-15 (C5 B)

C2

Pin No.	Pin Name	Wire Color	Destination
1	E	BL	DCE (C5 H)
2	E	BL	DCE (C5 G)
3	E	S-PK	
4	E	S-BR	CPA-TCO (C7 I)
5	-	-	-
6	-	-	-

C3

Pin No.	Pin Name	Wire Color	Destination
1	TE	VI	CPA-TE (C6 G)
2	TE	VI	CPA-TE (C6 H)
3			
4			
5	E	BR	CPA-E (C6 I)
6			

JK

C1

Pin No.	Pin Name	Wire Color	Destination
1			
2			
3	E	S-YE	
4	E	S-BR	CPA-PO (C4 A)
5	OUT	S-VI	CPA-OUT (C 5-6)
6			

C2

Pin No.	Pin Name	Wire Color	Destination
1	F	S-BR	
2	FS	Y-G	CPA-FS (C4 A)
3	E	S-BL	
4	E	S-BR	CPA-E (C4 B)
5	FC	YE	CPA-FC (C4 C)
6	FD	BR	CPA-FD (C4 D)
7	MTS	BR	CPA-MTS (C4 E)
8	MTC	BR	CPA-MTC (C4 F)

C3

Pin No.	Pin Name	Wire Color	Destination
1			
2			
3	FE	S-BR	CPA-FE (C4 G)
4	E	S-BR	CPA-E (C4 H)
5	E	-	-
6	E	-	-

C4

Pin No.	Pin Name	Wire Color	Destination
1	F	S-BR	
2	FS	Y-G	CPA-FS (C3 B)
3	E	S-BL	
4	E	S-BR	CPA-E (C3 A)
5	FC	YE	CPA-FC (C3 C)
6	FD	BR	CPA-FD (C3 D)
7	MTS	BR	CPA-MTS (C3 E)
8	MTC	BR	CPA-MTC (C3 F)

C5

Pin No.	Pin Name	Wire Color	Destination
1	E	S-BR	
2	E	S-BL	
3	FE	S-BR	CPA-FE (C3 G)
4	E	S-BR	CPA-E (C3 H)
5	E	S-BL	
6			
7			
8			
9			
10			

TC

C1

Pin No.	Pin Name	Wire Color	Destination
1	TT	RS	CPA-LTO (C5 F)
2	+15	YE	CPA-LVO (C5 E)
3	E	BL	CPA-E (C5 A)
4	+15	YE	CPA-+15 (C5 D)
5	E	BL	CPA-E (C5 C)
6	+15	YE	CPA-+15 (C5 B)
7	+15	BR	CPA-+15 (C5 G)
8	E	BL	CPA-E (C5 I)

C2

Pin No.	Pin Name	Wire Color	Destination
1	TT	-	-
2	-	-	-
3	E	S-YE	
4	E	S-BR	CPA-TCO (C5 H)
5	-	-	-
6	-	-	-

DC

C1

Pin No.	Pin Name	Wire Color	Destination
1	-15	YE	TE-15 (C1 G)
2	+15	YE	TE-+15 (C1 F)
3	-15	YE	CPA-15 (C5 K)
4	+15	YE	CPA-+15 (C5 K)
5	+15	BR	TC-+15 (C1 H)
6	-15	YE	TC--15 (C1 I)
7	+15	BR	CPA-+15 (C6 D)
8	-15	YE	CPA--15 (C6 C)
9	+15	BR	DM+15 (C12 E)
10	-15	YE	DM--15 (C12 F)
11	+15	BR	CPA+15 (C8 K)
12	-15	YE	CPA--15 (C8 J)

C2

Pin No.	Pin Name	Wire Color	Destination
1	+15	BR	CPA-+15 (C8 F)
2	+15	BR	CPA-+15 (C8 E)
3	E	BL	CPA-E (C8 H)
4	E	BL	CPA-E (C8 G)
5	E	BL	CPA-E (C8 D)
6	E	BL	CPA-E (C8 C)
7	E	BL	DM-E (C8 B)
8	E	BL	DM-E (C8 A)
9	E	BL	Panel Earth
10	E	BL	Bumper Shield
11	E	BL	
12	E	BL	
13	E	BL	

C3

Pin No.	Pin Name	Wire Color	Destination
1	Vin	BL	DM-Vin (C11 B)
2	Vin	BL	DM-Vin (C11 E)
3	Vin	BL	CPA-Vin (C2 C)
4	Vin	BL	CPA-Vin (C2 K)
5	+160	YE	DM-+160 (C11 H)
6	-160	YE	DM--160 (C11 K)
7	+160	YE	CPA-+160 (C2 B)
8	-160	YE	CPA--160 (C2 H)
9	Vin	BL	CPA-Vin (C2 E)
10	E	BL	Panel Earth
11	E	BL	Bumper Shield
12	E	BL	
13	E	BL	

C4

Pin No.	Pin Name	Wire Color	Destination
1	F	S-BR	
2	FS	Y-G	CPA-FS (C3 B)
3	E	S-BL	
4	E	S-BR	CPA-E (C3 A)
5	FC	YE	CPA-FC (C3 C)
6	FD	BR	CPA-FD (C3 D)
7	MTS	BR	CPA-MTS (C3 E)
8	MTC	BR	CPA-MTC (C3 F)

C5

Pin No.	Pin Name	Wire Color	Destination
1	E	S-BR	
2	E	S-BL	
3	FE	S-BR	CPA-FE (C3 G)
4	E	S-BR	CPA-E (C3 H)
5	E	S-BL	
6			
7			
8			
9			
10			

NOTES:
1. All Resistors are 1/4 watt unless otherwise specified.
2. All Capacitors are in microfarads unless otherwise specified.
3. All Keyswitches, Tabswitches and Pushbutton Switches shown in "off" position.
4. Capacitors
   - a mark : Tantalum Capacitor
   - O mark : Polystyrene Capacitor
   - K mark : Ceramic Capacitor 1500pF
5. ABBREVIATIONS OF WIRE COLOR IN ELECTONE

BL	BLACK	RE	RED
YE	YELLOW	BE	BLUE
GY	GRAY	GG	GRASS GREEN
PK	PINK	OR	ORANGE
BR	BROWN	VI	VIOLET
GR	GREEN	SB	SKY BLUE
WH	WHITE	TP	TIN PLATED WIRE
TR	TRANSPARENT		

SCR ..... Shielded orange wire
SCRS .... Shield portion of shielded green wire